

Table of Contents for 2818 Rio Grande Tree Permit
Heritage Tree Variance Package

The variance package is organized as follows:

1. Cover Sheet
2. Staff Memorandum
3. Staff Findings of Fact
4. Exhibits
5. Applicant Memorandum and Documentation



ITEM FOR ENVIRONMENTAL BOARD AGENDA

**BOARD MEETING
DATE REQUESTED:** March 6, 2013

PROJECT NAME: 2818 Rio Grande

**ADDRESS
OF PROPERTY:** 2818 Rio Grande

TREE PERMIT #: 10827869

NAME OF APPLICANT: Mike McHone
1904 Guadalupe St.
Austin, TX 78713
512-481-9111

**CITY ARBORIST
STAFF:** Keith Mars, 974-2755
keith.mars@austintexas.gov

ORDINANCE: Heritage Tree Ordinance (LDC 25-8-641)

REQUEST: The applicant is requesting to remove a heritage tree with a stem greater than 30" in diameter.

**STAFF
RECOMMENDATION:** The request to remove the 30" Pecan meets the City Arborist approval criteria set forth in LDC 25-8-624(A).



MEMORANDUM

TO: Dr. Mary Gay Maxwell, Chairperson
Members of the Environmental Board

FROM: Keith Mars, City Arborist Program
Planning and Development Review

DATE: March 6, 2013

SUBJECT: 2818 Rio Grande

REQUEST: The applicant is requesting to remove a heritage tree with a stem greater than 30 inches as allowed under LDC 25-8-643

Area Description

The subject property is comprised of two lots located at 2818 Rio Grande (Exhibit 1). The zoning is MF-4 and is adjacent to, but not in, the University Neighborhood Overlay District (UNO) (Exhibit 2). The zoning allows for 60 feet building height, .75:1 FAR, and 70% impervious cover. The desired use is an apartment building. The property is located in the Shoal Creek Watershed and is subject to urban watershed regulations.

Tree Evaluation

Measurements

The subject tree is a 30.0 inch diameter at breast height (dbh) Pecan (*Carya illinoensis*). The tree height is 53 feet and the canopy spread is 42 feet (Exhibit 3). The tree has a 45 degree lean from vertical with no evidence of root decay or soil heaving (Exhibit 4).

Canopy Conditions

The canopy has major asymmetry, extensive storm damage, and moderate decay. Storm damage is evident by the presence of multiple broken stems and subsequent decay (Exhibits 5,6,7 and 8).

Trunk

30 inch diameter trunk with a 45 degree lean to the northeast.

Root System

Critical root zone conditions are characterized by compacted turf grass and bare soil, base material serving as a parking lot, and a housing structure (Exhibit 9). Root flare is present with no signs of wounding or decay.

Overall Condition

There are considerable structural defects, but the hazard is not likely imminent since there is no evidence of root decay or soil heaving; however, the subject tree is certainly predisposed to failure simply due to the tree structure and biomechanics of staying upright. The biological and physiological functions of the tree appear sound. However, the structural condition is of concern for the aforementioned statements. The City Arborist Tree Evaluation provides additional details (Exhibit 10).

Variance Request

The variance request is to allow removal of a heritage tree with one stem greater than 30 inches as allowed under LDC 25-8-643.

Recommendation

Though not an imminent hazard, the subject tree should not be preserved due to the aforementioned structural conditions. Further, it is not reasonable to incorporate the tree into the design given the predisposition to failure, particularly in the event of root loss due to construction activities that will affect the roots opposite the plane of tree lean. The variance request meets approval criteria for the City Arborist per LDC 25-8-624(A) (1).

Mitigation

Opportunities to mitigate onsite are not available. Possible mitigation opportunities include: (1) mitigation monies into the Urban Forest Replenishment Fund at 150 percent mitigation (\$9,000), (2) 45.0 inches of native trees planted on public property in the Shoal Creek Watershed, or (3) \$9,000 worth of tree care for public trees in the Shoal Creek Watershed. Transplanting the subject tree is not recommended due to the lean, distribution of weight from the asymmetrical canopy and storm damaged canopy.

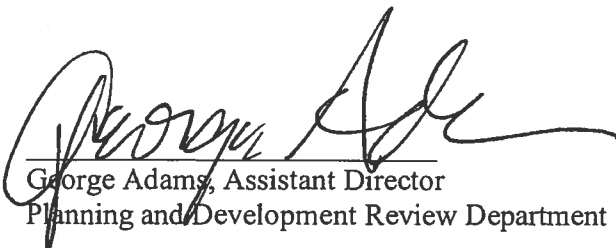
If you need further details, please contact me at 974-2755 or keith.mars@austintexas.gov.



Keith Mars, Environmental Program Coordinator
Planning and Development Review Department



Michael Embesi, City Arborist
Planning and Development Review Department



George Adams, Assistant Director
Planning and Development Review Department



**City Arborist
Planning and Development Review Department
Staff Recommendations Concerning Heritage Tree Variances**

Application Address: 2818 Rio Grande

Size and Species of Tree(s): 30.0" Pecan (*Carya illinoensis*)

Reason for Request: The applicant is requesting to remove a heritage tree with a stem greater than 30 inches as allowed under LDC 25-8-643

Section 1 – Approval Criteria

1) The requirement for which a variance is requested prevents a reasonable access to the property.

No.

2) The requirement for which a variance is requested prevents a reasonable use of the property.
Yes. It is unreasonable to preserve this tree in a forthcoming development due to the structural defects. Further, the tree should not be incorporated into the design since loss of counterbalancing roots (opposite the plane of the lean) would increase the likelihood of tree failure.

3) The tree presents an imminent hazard to life or property and the hazard cannot be reasonably mitigated without removing the tree.

No.

4) Is the tree dead?

No.

5) Is the tree diseased? If so, is restoration to a sound condition practicable or can the disease be transmitted?

No.

6) For a tree located on public property or a public street or easement, the requirement for which a variance is requested prevents:

- a) the opening of necessary vehicular traffic lanes in a street or ally, or
- b) the construction of utility or drainage facilities that may not feasibly be rerouted.

NA.

7) The applicant has applied for and been denied a variance, waiver, exemption, modification, or alternative compliance from another City Code provision which would eliminate the need to remove the heritage tree, as required in Section 25-8-646 (*Variance Prerequisite*).

No.


- 8) Removal of the heritage tree is not based on a condition caused by the method chosen by the applicant to develop the property, unless removal of the heritage tree will result in a design that will allow for the maximum provision of ecological service and historic and cultural value from the trees preserved on the site.

No.

Name: Keith Mars, Environmental Program Coordinator
City Arborist Program
Planning and Development Review Department

Signature: Keith Mars

Date: 2/22/2013

 = subject tree
30" per an

— 1/2" pipe found
at the Northeast corner of
Lot 4, Block 1.
James Byrnes Addition

NOTES:

1. This map does not represent a boundary survey.
2. This map was prepared without the benefit of a current title commitment, and therefore these lots may be subject to easements and/or restrictions in addition to the ones shown herein.
3. 1 MAYO 1988 Elevations shown hereon are based upon post processed static GPS data collected on 11 MAYO 1988. Elevations hereon are drawn as a function of one inch of trunk equals one foot of ground.

LOT B

MAP OR TOPOGRAPHIC SURVEY OF

LOT 1 AND LOT 2, BLOCK 1, JAMES BYRNE'S SUBDIVISION OF OUTLOT #9, DIV. D OF CITY OF AUSTIN, A SUBDIVISION IN TRAVIS COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 2, PAGE 178 OF THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS, SAME BEING LOT 1 AND LOT 2, BLOCK 1, JAMES BYRNE'S SUBDIVISION OF OUTLOTS #8, 70 AND 71, DIV. D CITY OF AUSTIN, A SUBDIVISION IN TRAVIS COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 3, PAGE 72, OF THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS, LOCATED AT 2818 AND 2822 RIO GRANDE STREET.

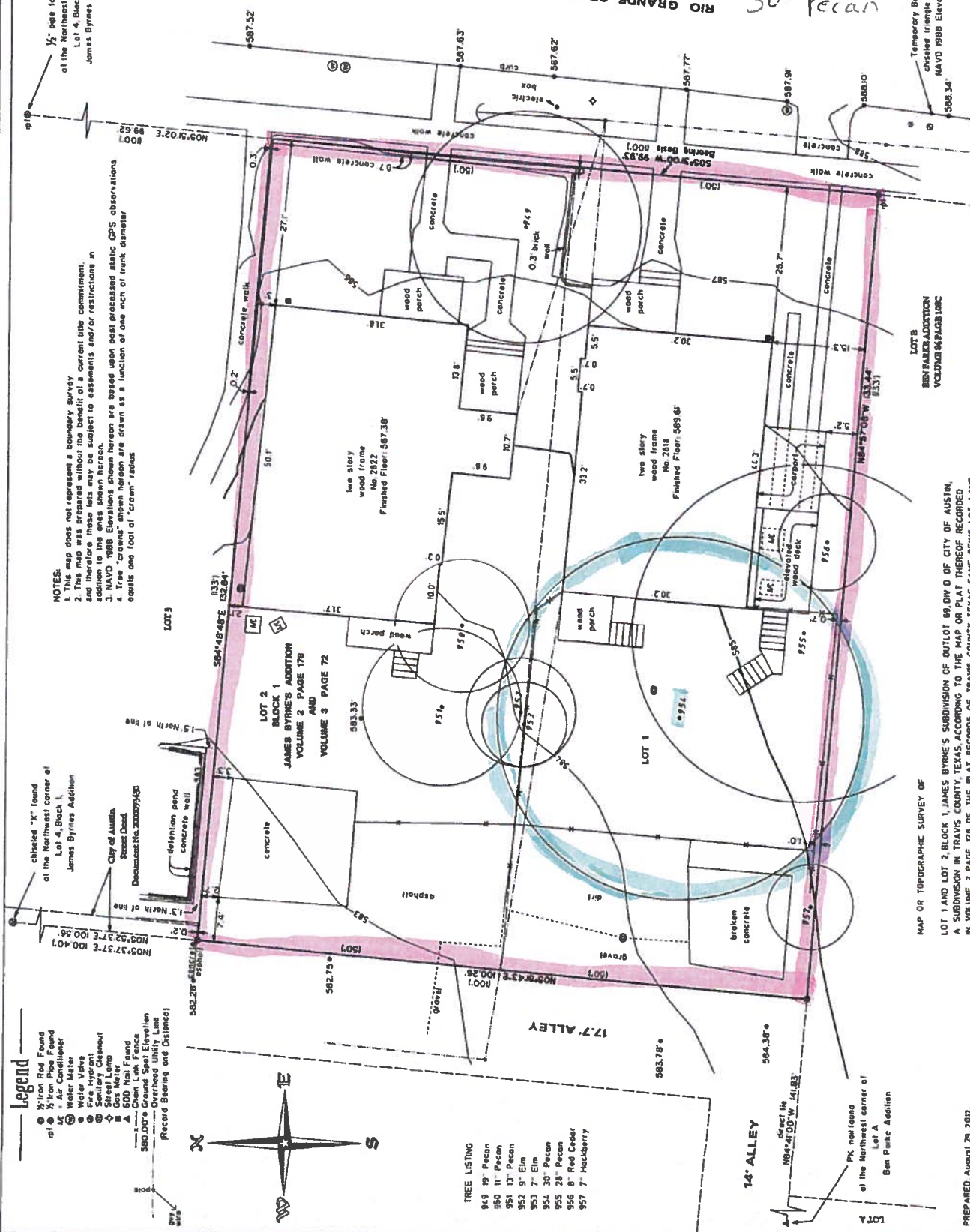
HOLT CARSON, INCORPORATED
PROFESSIONAL LAND SURVEYORS
1904 PORTVIEW ROAD
AUSTIN, TX 78704

Registered Professional Land Surveyor No 5166

PREPARED: Aug 12, 2012

2

(512) 443-9990
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2818 Rio Grande

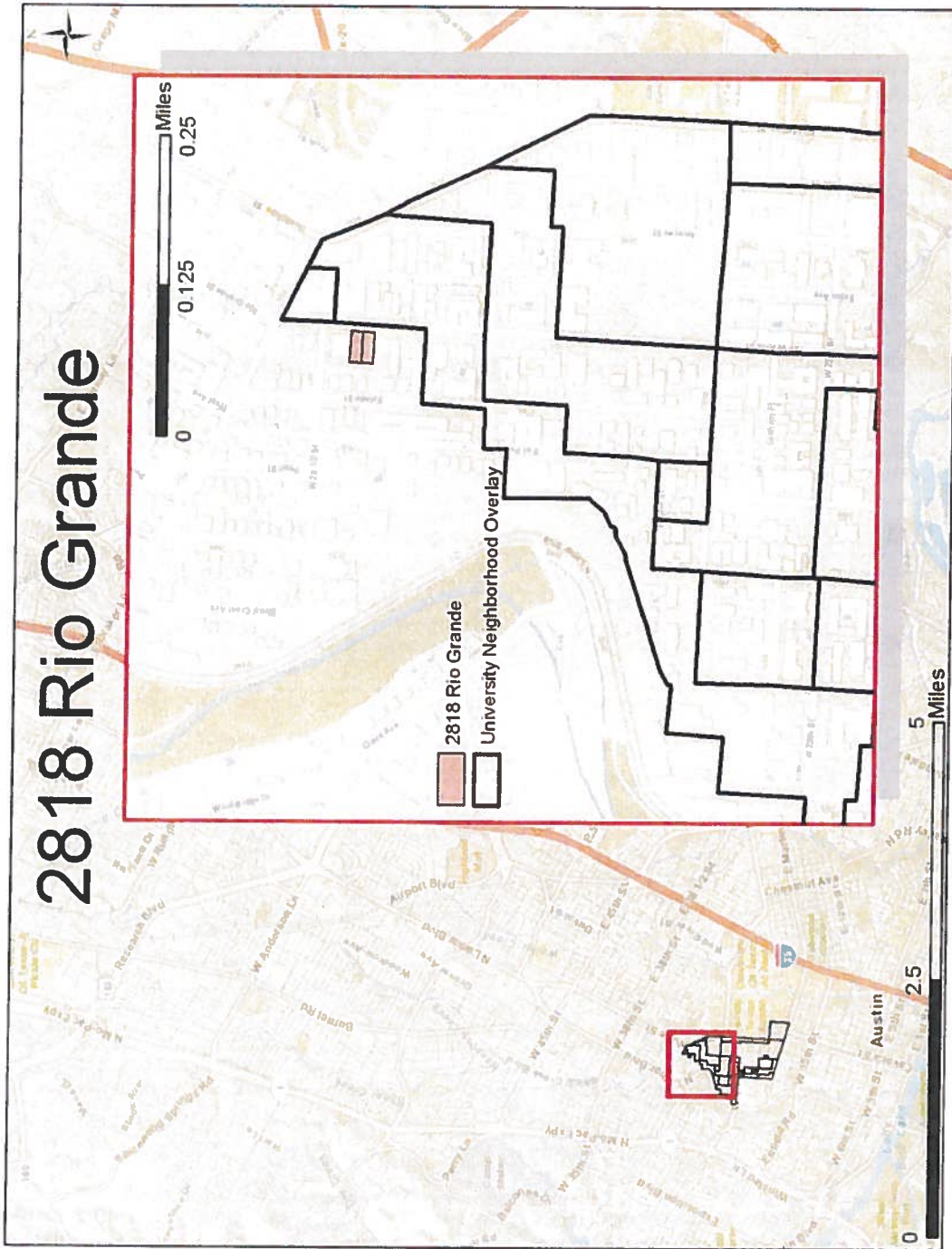


Exhibit 2



The City Arborist Program

Tree Preservation and Replenishment



Exhibit 3



The City Arborist Program

Tree Preservation and Replenishment



Exhibit 4



The City Arborist Program

Tree Preservation and Replenishment

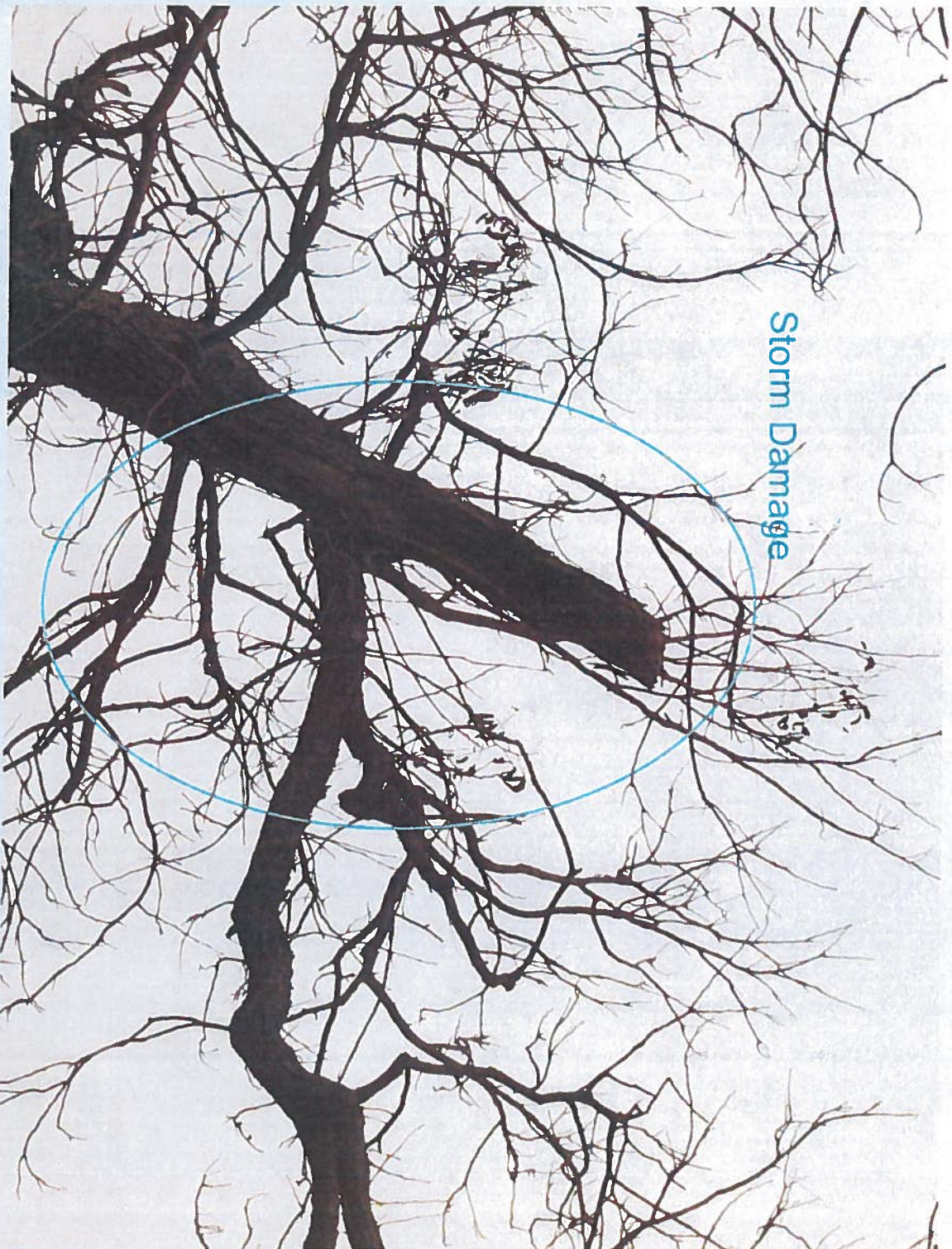


Exhibit 5



The City Arborist Program

Tree Preservation and Replenishment

Storm
Damage

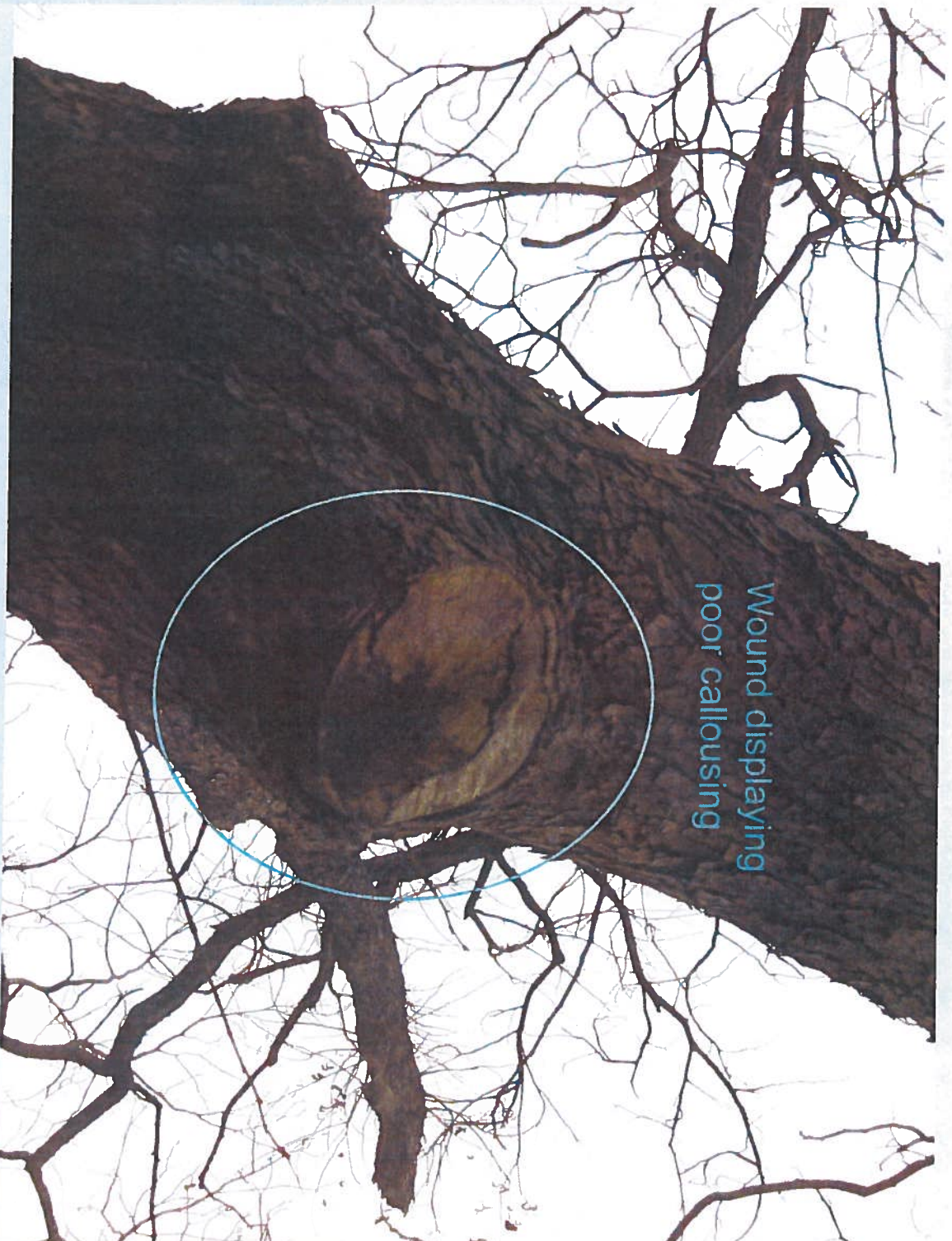


Exhibit 6



The City Arborist Program

Tree Preservation and Replenishment



Wound displaying
poor callousing

Exhibit 7



The City Arborist Program

Tree Preservation and Replenishment

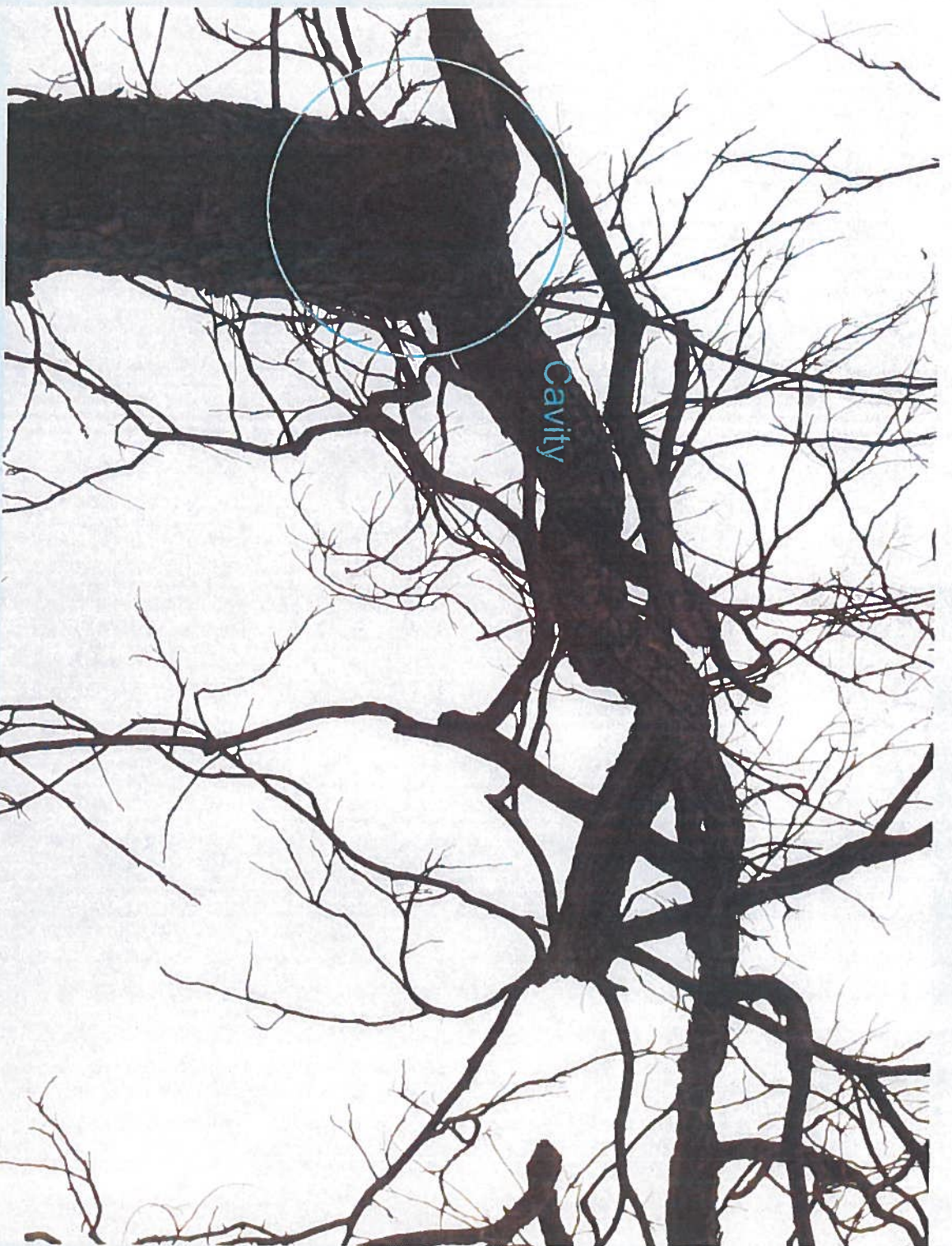


Exhibit 8



The City Arborist Program

Tree Preservation and Replenishment



Exhibit 9



The City Arborist Program

Tree Preservation and Replenishment



Exhibit 10

TREE EVALUATION

Property address: 2818 Rio Grande

Date: 2/20/13

Evaluator: Kevin M. J.

SIGNATURE: Kevin M. J.

ISA/ASCA Certification #: TX-3677AM

1. TREE CHARACTERISTICS

DBH of each trunk: 30.0 Common & Latin name: Pecan, *Carya illinoensis*

Location: Private / Public Estimated height & canopy spread (ft): 53', 42'

Age class: young / mature / over-mature / dead (if dead, there is no need to fill out section 2)

Deadwood: 0% 0-10% 10-25% 25-50% >50% (unknown)

Form: generally symmetric / minor asymmetry / major asymmetry / stump sprout

Pruning history: crown cleaned / excessively thinned / topped / crown raised

pollarded / crown reduced / utility clearance / storm damage cleaning / none

Crown class: dominant / co-dominant / intermediate / suppressed.

2. TREE HEALTH

Foliage color: normal / chlorotic / necrotic

Epicormics: Y / N

Foliage density: normal / sparse

Leaf size: normal / abnormal

Annual shoot growth: _____ inches

Twig dieback: Y / N

Callus development: Y / N

If so, is callusing:

excellent / average / fair / poor

Vigor class: excellent / average / fair / poor

Major pests/diseases: _____

3. SITE CONDITIONS

Site character: residence / commercial / industrial / park / open space / natural / other (see below)

Landscape type: parkway / raised bed / container / open / other (see below)

Irrigation: none / adequate / inadequate / excessive / trunk wetted

Dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

Dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

Dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Dripline grade raised: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: drainage / shallow / compacted / small volume / other (see below)

Obstructions: lights / signage / line of sight / view / overhead lines / traffic / other (see below)

Wind (tree position): single tree / below canopy / above canopy / recently exposed / canopy edge

Other: _____

4. TREE DEFECTS – IDENTIFY ALL AREAS AND SEVERITY THAT APPLY TO EACH DEFECT

DEFECT TYPE	DEFECT AREA	DEFECT SEVERITY	NOTES	LEGEND
Poor taper	S, B	M, S	storm damage has resulted in canopy development	AREA T – Trunk(s) R – Root Flare L – Lateral Roots S – Scaffolds B – Branches SEVERITY S – Severe M – Moderate L – Low
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits	B	L, M		
Hangers				
Girdling				
Wounds	T, S, B	M, S	extensive storm damage	
Decay	T, S, B	M	likely resulting from storm damage	
Cavity	S, B	L, M		
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs	B	S	every stem/leader has storm damage	
Borers/termites/ants				
Cankers/galls				
Previous failure				

7. OTHER FEATURES

Lean: 45° degrees from vertical natural or unnatural Soil heaving: Y / (N)
 Decay in plane of lean: Y / (N) Roots exposed: Y / (N) Soil cracking: Y / (N)
 Lean severity: S / (M) / L Compounding factors: imbalanced canopy
 Suspect root rot: Y / (N) Mushroom/conk present: Y / (N) ID: _____
 Exposed roots: S / M / L Undermined: S / M / L
 Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded: Y / (N)
 Restricted root area: S / M / L Potential for root failure: S / (M) / L

6. TARGET AND ABATEMENT

Use under tree: building / (parking) / traffic / (pedestrian) / recreation / (landscape) / hardscape
 Occupancy: occasional use / (medium, intermittent use) / frequent use Can target be moved: Y / (N)

RISK ABATEMENT

Action: prune / (remove) / other Comments: _____

7. COMMENTS OR OTHER RISK FACTORS

Mike McHone Real Estate

Keith Mars
Heritage Tree Review
City of Austin
505 Barton Springs Rd.
Austin, TX 78704

February 5, 2013

Re: Heritage Tree Review, 2818 Rio Grande

Dear Mr. Mars;

This memo is to explain the request for the removal of a large leaning pecan (# 954) which is located in the middle of the lot in the rear yard of 2818 Rio Grande. This lot is a part of a two lot site consisting of 2818 and 2822 Rio Grande. (Note the tree report is for three lots. Lot 2816 was deleted from consideration due to the large number of trees located on it.) (Survey attached)

This two lot site is located across the street from the University Neighborhood Overlay District (UNO). The plan is to redevelop the site with a modern apartment building which will meet all current building code requirements, especially fire sprinklers and energy efficiency. The project will be developed in compliance with the MF-4 base district zoning and will comply with compatibility requirements. It will serve as a buffer between the more dense UNO projects across the street and the single family neighborhood to the west.

The MF-4 zoning requires front rear and side yards. The project has been designed to meet these requirements. Compatibility requirements greatly reduce the allowable height. The site plan attached is the best that can be accomplished as it saves the best trees but will require the removal of the large leaning pecan. (See sketch attached).

The attached tree report recommends the removal of this tree due to its "hazardous lean".

The owner has secured demolition permits for the existing improvements and respectfully request the commissions consent to remove this hazardous tree.

Sincerely,



Mike McHone, authorized agent



SCALE 1" = 10'

1/2" pipe found at the Northwest corner of Lot 4, Block 1, James Byrnes Addition

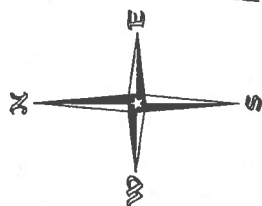
NOTES

1. This map does not represent a boundary survey and therefore these lines may be subject to easements and/or restrictions in addition to the ones shown hereon.
2. MAYD 1888 Elevations shown hereon are based upon post-processed static GPS observations.
3. Tree "crowns" shown hereon are drawn as a function of one inch of trunk diameter equals one foot of "crown" radius.

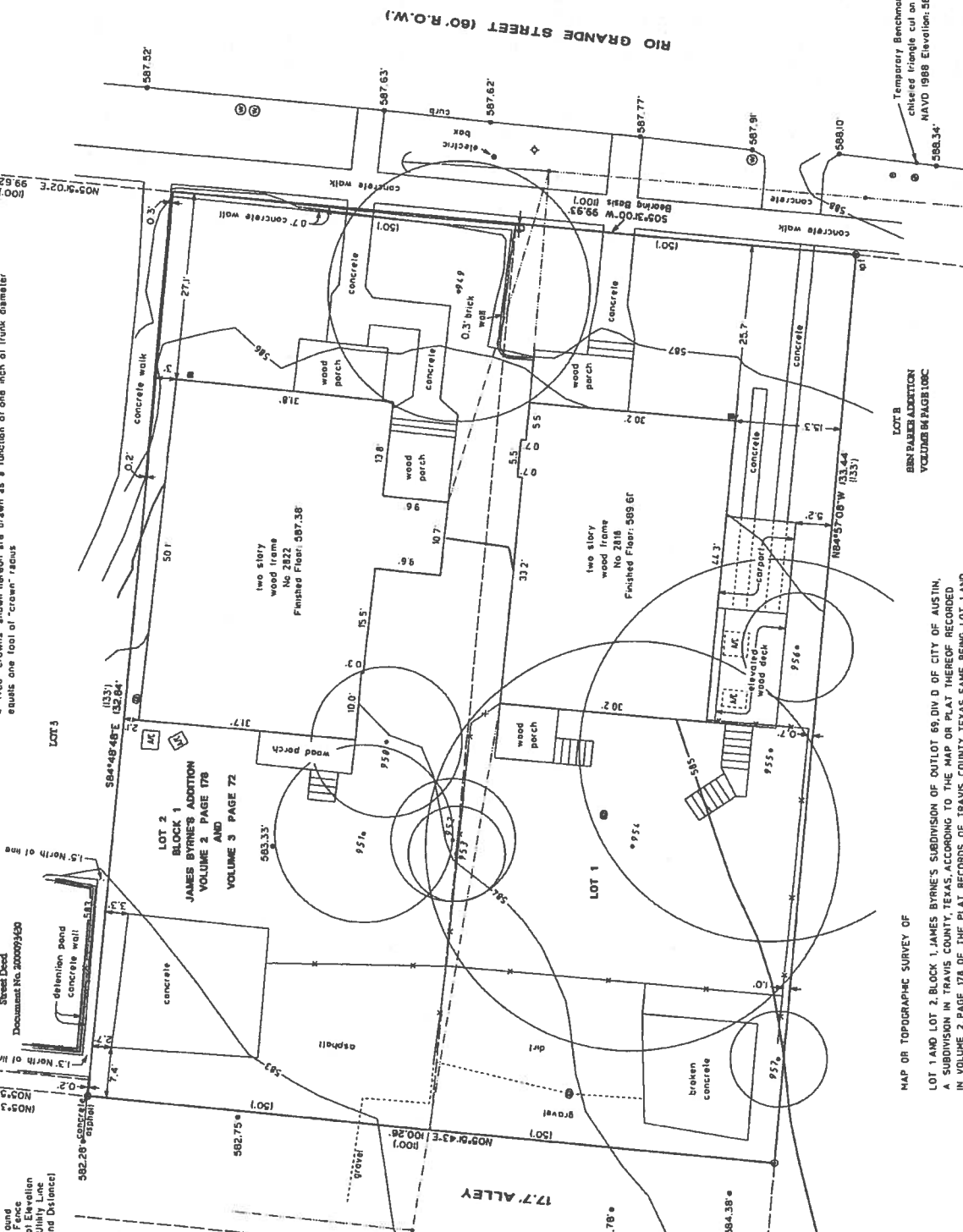
chiseled "X" found at the Northwest corner of Lot 4, Block 1, James Byrnes Addition

City of Austin
Street Dead
Document No. 2000093420

- Legend**
- X-Iron Rod Found
 - X-Iron Pipe Found
 - X-Air Conditioner
 - Water Meter
 - Water Valve
 - Sanitary Cleanout
 - Street Lamp
 - Gas Meter Found
 - Chain Link Fence
 - 580.00'± Ground Spot Elevation
 - Overhead Utility Line
 - (Record Bearing and Distance)



- TREE LISTING**
- 949 10' Pecan
 - 950 11' Pecan
 - 951 13' Pecan
 - 952 9' Elm
 - 953 7' Elm
 - 954 30' Pecan
 - 955 28' Pecan
 - 956 8' Red Cedar
 - 957 7' Hackberry



MAP OR TOPOGRAPHIC SURVEY OF

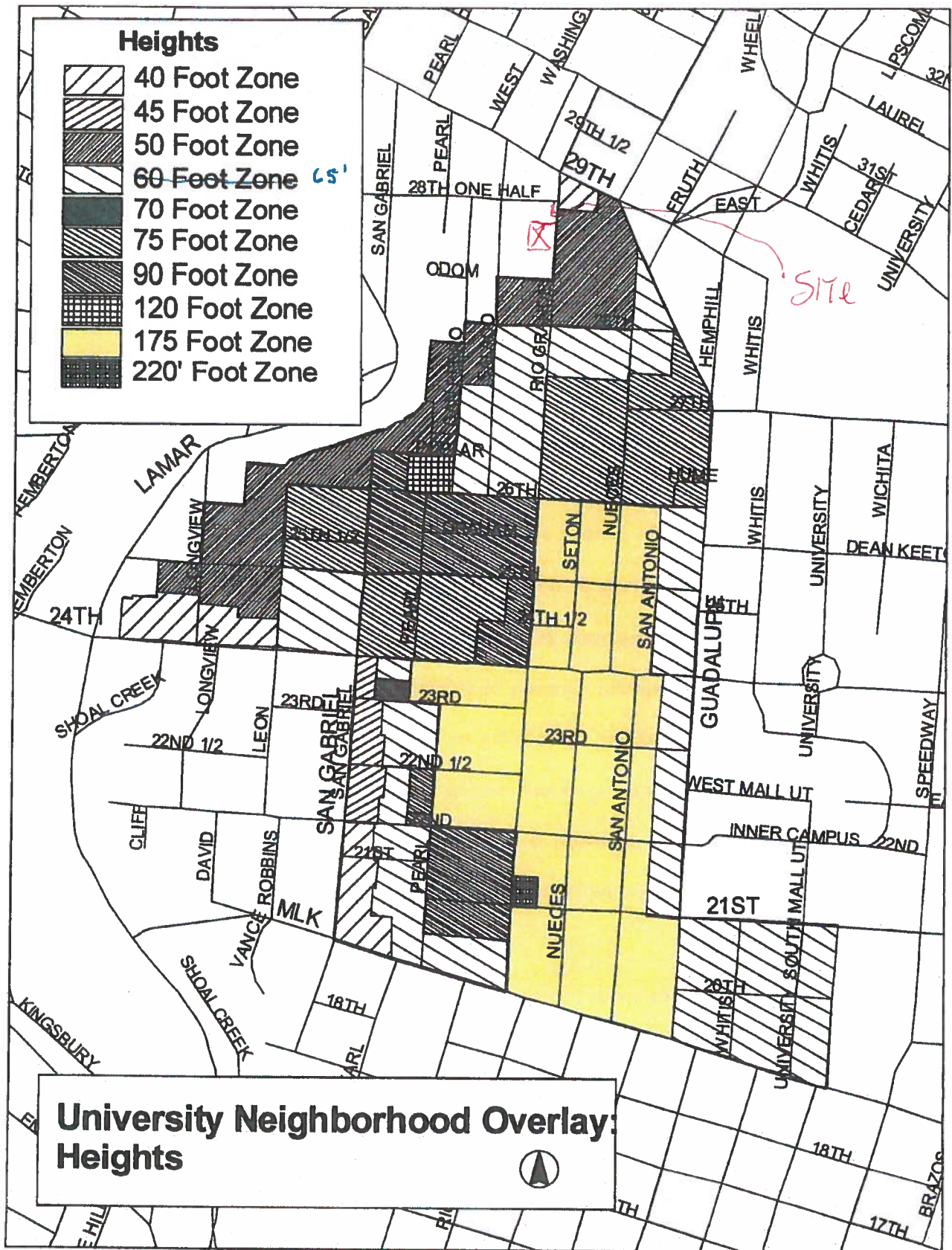
LOT 1 AND LOT 2, BLOCK 1, JAMES BYRNE'S SUBDIVISION OF OUTLOT 69, DIV D OF CITY OF AUSTIN, A SUBDIVISION IN TRAVIS COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 2, PAGE 178 OF THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS, SAME BEING LOT 1 AND LOT 2, BLOCK 1, JAMES BYRNE'S SUBDIVISION OF OUTLOTS 65, 70 AND 71 DIV D CITY OF AUSTIN, A SUBDIVISION IN TRAVIS COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 3, PAGE 72 OF THE PLAT RECORDS OF TRAVIS COUNTY, TEXAS LOCATED AT 2818 AND 2822 RIO GRANDE STREET

PREPARED August 29, 2012.
BY

Holt Carson
Registered Professional Land Surveyor No. 5465

HOLT CARSON, INCORPORATED
PROFESSIONAL LAND SURVEYORS
1500 JONES ROAD
AUSTIN, TEXAS 78704
(512) 442-0990

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Mike Mchone

From: Mark Hart [mhart@markhartarch.com]
Sent: Friday, October 26, 2012 9:33 AM
To: Mike Mchone
Subject: rio grande site and trees
Attachments: site-trees-102612.pdf

Mike, I can't move the building any closer to rio grande because of the other tree there, unless Embezi is willing to let that one go? I highly doubt it.

I'll have to fracture the rectangular shape of the building to dodge the trees.

See attached pdf. As you can see, the layout was perfect when the leaning pecan wasn't a player.

Mark

Mark Hart, AIA
LEED AP BD+C



Mark Hart Architecture Inc.
5801 Mojave Drive
Austin TX, 78745
512-680-7905
www.markhartarch.com



No virus found in this message.

Checked by AVG - www.avg.com

Version: 2013.0.2741 / Virus Database: 2616/5847 - Release Date: 10/22/12



The Davey Tree Expert Company

9224 Research Blvd.

Austin, TX 78758

(512) 451-4986

Fax: (512) 451-6482

Tribeca Capital Group, LLC

17551 Gillette St.

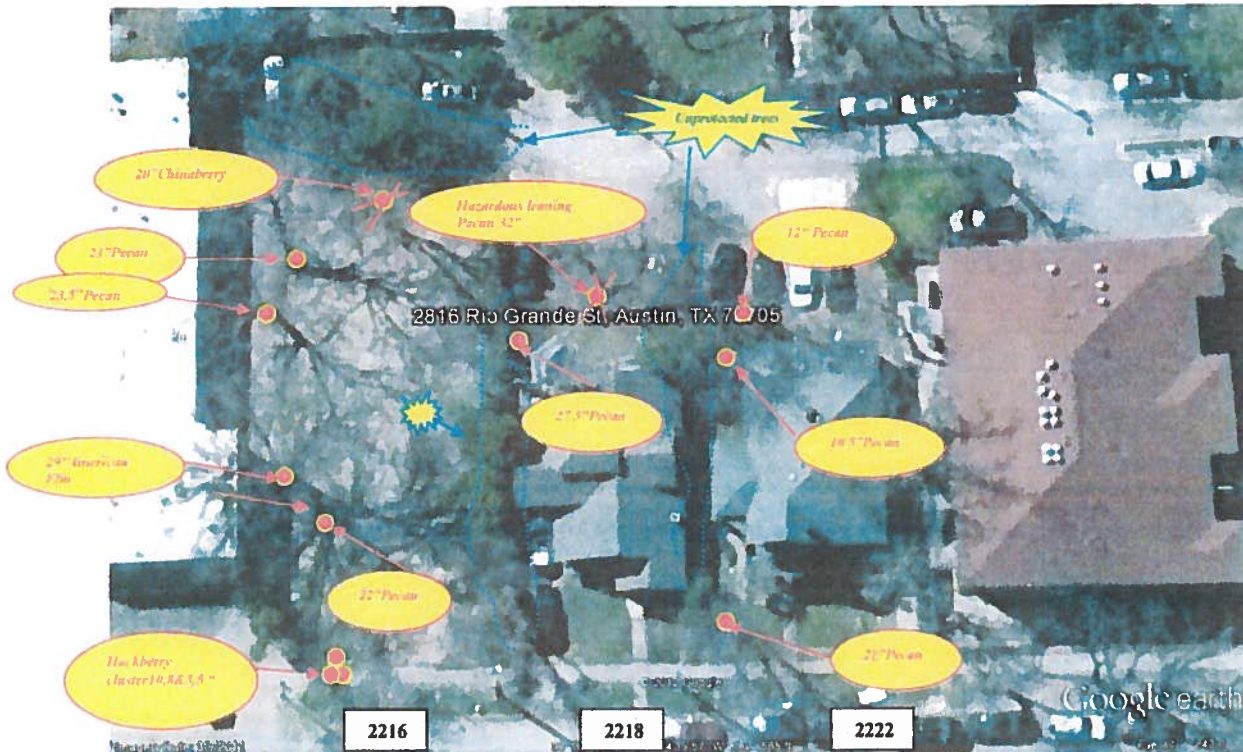
Irvine, CA 92614

RE: Tree Evaluation – 2816-2818-2822 Rio Grande, Austin, TX

Dear Sirs:

First of all, I would like to thank you for the opportunity to inspect the trees at the above-mentioned site. We appreciate your patronage for selecting The Davey Tree Expert Company for your tree care. We trust that you will find our commitment to excellence to be of the highest standards. Listed in this report is data concerning the conditions of the established trees on site. (Photo's included)

- ❖ American Elm Tree 29" (*Ulmus americana*) is considered- Average- in- condition.
- ❖ All Pecan Trees (*Carya illinoensis*) are in Above Average- to- Excellent in condition; *With the exception of the 32" on lot 2218, NOTE: it is leaning at a 45 degree angle and is very top heavy, This Pecan tree needs to be removed. Due to the liability. It is Poor in condition. (see photo).
- ❖ Cluster of Common Hackberry Trees (*Celtis occidentalis*) in City right-of- way, are weak and considered Poor- in- condition.
- ❖ Chinaberry Tree 20" (*Melia azedarach*) is considered an invasive species
- ❖ Remaining Trees and shrubs are less than 8" can be removed without tree permit.



Should you have any questions, please feel free to contact me at 451-4986. Thank you for your time and attention to this matter.

Sincerely,

Daniel R. Hunsicker

District Manager

DAVEY TREE EXPERT COMPANY

Certified Arborist #TX 0309

International Society of Arboriculture

*See photos below:





2222





Tree Ordinance Review Application

Planning and Development Review Department
One Texas Center, 505 Barton Springs Road, 4th floor, Austin, TX 78704
Phone: (512) 974-1876 Fax: (512) 974-3010
Email: cityarborist@austintexas.gov Website: www.austintexas.gov/department/city-arborist

ROW ID.

10827869

Mapscop Pg

585A

Application request* (specify all that apply):

- ☒ Tree removal (LDC 25-8-602(3))
☐ Critical Root Zone impacts (ECM 3.5.2 A)
☐ Live canopy impacts of more than 25% (ECM 3.5.2 B)

* Refer to Land Development Code (LDC) 25-8 (B)(1) and Environmental Criteria Manual (ECM) (Section 3 & App. F). Applicant understands that all impacts may threaten the health of the tree and that approval of this application does not guarantee favorable tree results.

Address and zip code of property: 2818 R.O. GRANDE AUSTIN, TX 78705

Name of owner or authorized agent: MIKE McHONE REAL ESTATE MIKE McHONE

Building permit number (if applicable): _____

Telephone #: (512) 554-8440 Fax #: (512) 481-1002 E-mail: _____

Tree Species: PERMAN Tree location on lot: REAR

Trunk size (in inches) at 4 1/2 feet above ground: circumference (around) _____ or diameter (across) 32"

General tree condition: ☐ Good / ☐ Fair / ☒ Poor / ☐ Dead

Reason for request: ☒ Development ☒ Tree condition ☐ Other: TREE IS A HAZARD

LEANING AT 45° ANGLE

Owner/ Authorized Agent Signature Michael McHone Date 9/13/2012

- Proposed development projects are to include a plan view drawing that depicts the location of the tree and the planned improvements (e.g. structure, driveway, utility and irrigation lines).
- This permit application only reviews for compliance with tree regulations.
- The application fee must be paid prior to permit issuance. No fee is required for dead or diseased trees.

Application Determination - To be completed by City Arborist Program Personnel

- ☐ Approved ☐ *Approved With Conditions ☒ Statutory Denial (more information required) ☐ Denied

Comments: PLEASE PROVIDE SUBSTANTIAL PROOF TO ADDRESS THIS CONCERN
P.E.G. RISK ASSESSMENT FROM A CERTIFIED ARBORIST, BUTNESS RISK INVESTIGATION,
DISCUSSION OF TECHNIQUES TO MITIGATE RISKS

- ☐ Heritage Tree(s) ☐ A heritage tree variance is required: ☐ Administrative / ☐ Land Use Commission

Conditions of Approval: ☐ None or ☐ As described within Arborist Comments (see above); and

- ☐ Applicant agrees to plant _____ caliper inches of central Texas native trees (see ECM Appendix F) on the lot prior to obtaining a final inspection (if applicable). Trees are to have a minimum 2-inch trunk diameter. Examples include Oaks, Cedar Elm, Bald Cypress, Desert Willow, Mountain Laurel, Texas Persimmon, Mexican Plum, etc.
☐ Prior to development, applicant agrees to supply a root zone mulch layer and maintain tree protection fencing (chain-link, five-foot in height) throughout the project duration.
☐ No additional impacts are permitted within the 1/2 Critical Root Zone, including utility trenching.
☐ Provide a receipt from a certified arborist for: ☐ remedial root care ☐ any required pruning

Applicant Signature

Date

City Arborist Signature

Date

Post this document on site while any proposed work is in progress.
Conditions for approval of this application must be met within 1 year of the effective date.

v.7/2012

TREE RISK EVALUATION FORM

(EXAMPLE)

Property address: 2818 Robbards Date: 9-24-12
Property owner: (Hagen), Mr. H. Hagen Evaluator: Daniel Ray Hunsicker
SIGNATURE: [Signature]
ISA/ASCA Certification #: 120309

1. TREE CHARACTERISTICS

DBH of each trunk: 31 Common & Latin name: Pearl (Large Monarchs)
Location: Private / Public Estimated height & canopy spread (ft): 25 x 25
Age class: young / mature / over-mature / dead (if dead, there is no need to fill out section 2)
Deadwood: 0% 0-10% 10-25% 25-50% >50%
Form: generally symmetric / minor asymmetry / major asymmetry / stump sprout
Pruning history: crown cleaned / excessively thinned / topped / crown raised
pollarded / crown reduced / utility clearance / storm damage cleaning / none
Crown class: dominant / co-dominant / intermediate / suppressed

2. TREE HEALTH

Foliage color: normal / chlorotic / necrotic Epicormics: Y / N
Foliage density: normal / sparse Leaf size: normal / abnormal
Annual shoot growth: Y inches Twig dieback: Y / N
Callus development: Y / N If so, is callusing: excellent / average / fair / poor
Vigor class: excellent / average / fair / poor
Major pests/diseases: _____

3. SITE CONDITIONS

Site character: residence / commercial / industrial / park / open space / natural / other (see below)
Landscape type: parkway / raised bed / container / open / other (see below)
Irrigation: none / adequate / inadequate / excessive / trunk wetted
Dripline paved: 0% 10-25% 25-50% 50-75% 75-100%
Dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%
Dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%
Dripline grade raised: 0% 10-25% 25-50% 50-75% 75-100%
Soil problems: drainage / shallow / compacted / small volume / other (see below)
Obstructions: lights / signage / line of sight / view / overhead lines / traffic / other (see below)
Wind (tree position): single tree / below canopy / above canopy / recently exposed / canopy edge
Other: None

4. TREE DEFECTS - IDENTIFY ALL AREAS AND SEVERITY THAT APPLY TO EACH DEFECT

DEFECT TYPE	DEFECT AREA	DEFECT SEVERITY	NOTES	LEGEND
Poor taper	T	S		AREA T - Trunk(s) R - Root Flare L - Lateral Roots S - Scaffolds B - Branches
Codominants/forks				
Multiple attachments				
Included bark	B S T	M		
Excessive end weight	B	M		SEVERITY S - Severe M - Moderate L - Low
Cracks/splits	B	M		
Hangers				
Girdling				
Wounds	B	M		
Decay	B	M		
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	B	M		
Nesting hole/bee hive				
Deadwood/stubs	S B	M		
Borers/termites/ants				
Cankers/galls				
Previous failure	T	M	no leaves getting worse	

7. OTHER FEATURES

Lean: 45 degrees from vertical

Decay in plane of lean: Y / N

Lean severity: S / M / L

Suspect root rot: Y / N

Exposed roots: S / M / L

Root pruned: ___ feet from trunk

Restricted root area: S / M / L

natural or unnatural

Roots exposed: Y / N

Compounding factors:

Mushroom/conk present: Y / N ID:

Undermined: S / M / L

Root area affected: %

Potential for root failure: S / M / L

Soil heaving: Y / N

Soil cracking: Y / N

Can target be moved: Y / N

Buttress wounded: Y / N

Can target be moved: Y / N

Can target be moved: Y / N

Can target be moved: Y / N

6. TARGET AND ABATEMENT

Use under tree: building / parking / traffic / pedestrian / recreation / landscape / hardscape

Occupancy: occasional use / medium, intermittent use / frequent use Can target be moved: Y / N

RISK ABATEMENT

Action: prune / remove / other

Comments:

7. COMMENTS OR OTHER RISK FACTORS

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8. TREE RISK (SEE THE ADDITIONAL RISK ASSESSMENT GUIDELINES)

RATING: Risk rating (circle one):

Failure potential: 1 2 3 4 Size of Part: 1 2 3 Target: 1 2 3 Other Risk Factors: 0 1 2

Risk rating: Low: 3 4 Moderate: 5 6 High: 7 8 9 Extremely high: 10 11 12